

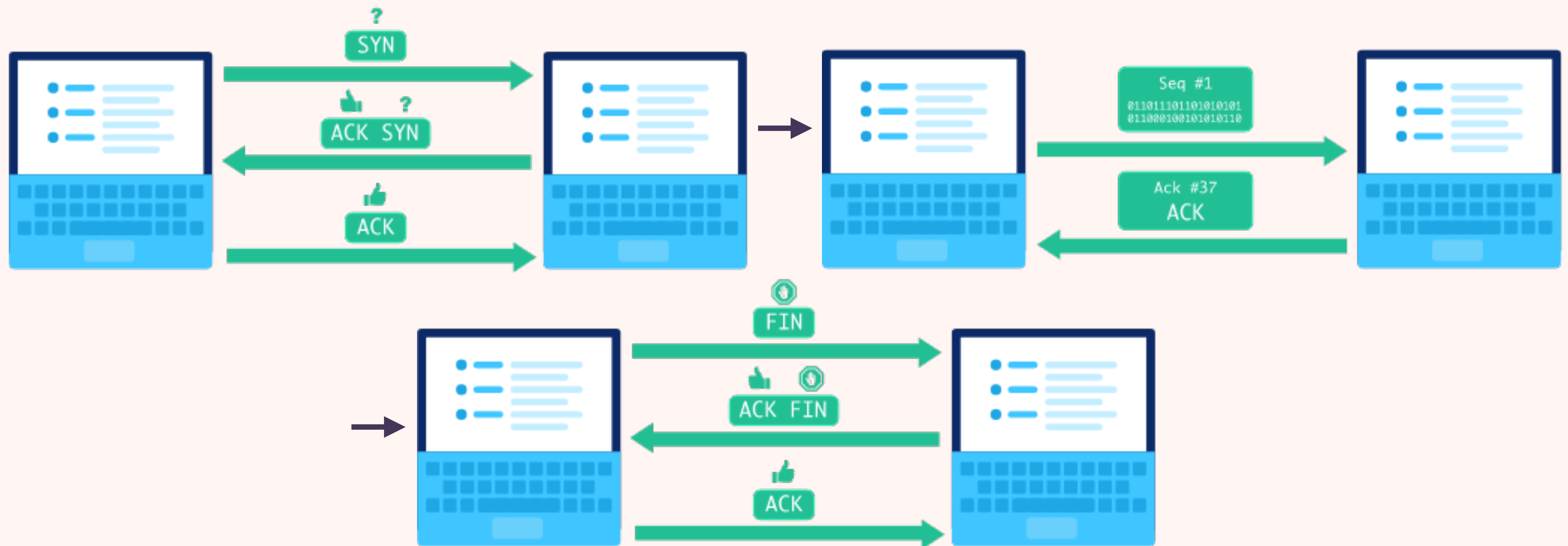


ТСР, НТТР И FTR

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ТСР

➤ Мрежов протокол за обмен на информация



IP packet

4 bytes (32 bits)

IP Header

IP Data

TCP segment

4 bytes (32 bits)

Source port number

Destination port number

Sequence number

Acknowledgement number

Offset

Reserved

U
R
G
A
C
K
P
S
H
R
S
T
S
Y
N
F
I
N

Window size

Checksum

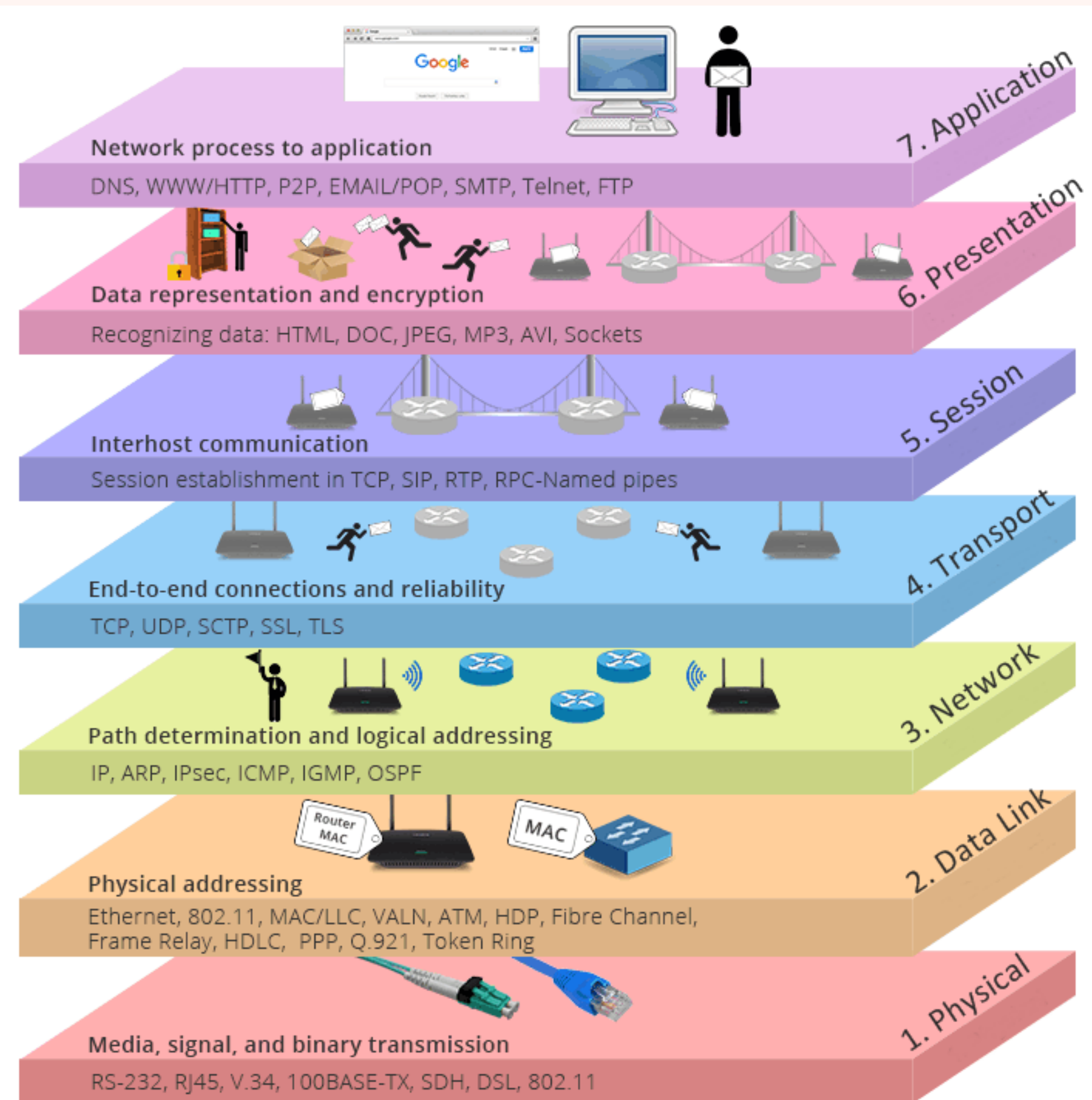
Urgent pointer

Options/Padding

Data

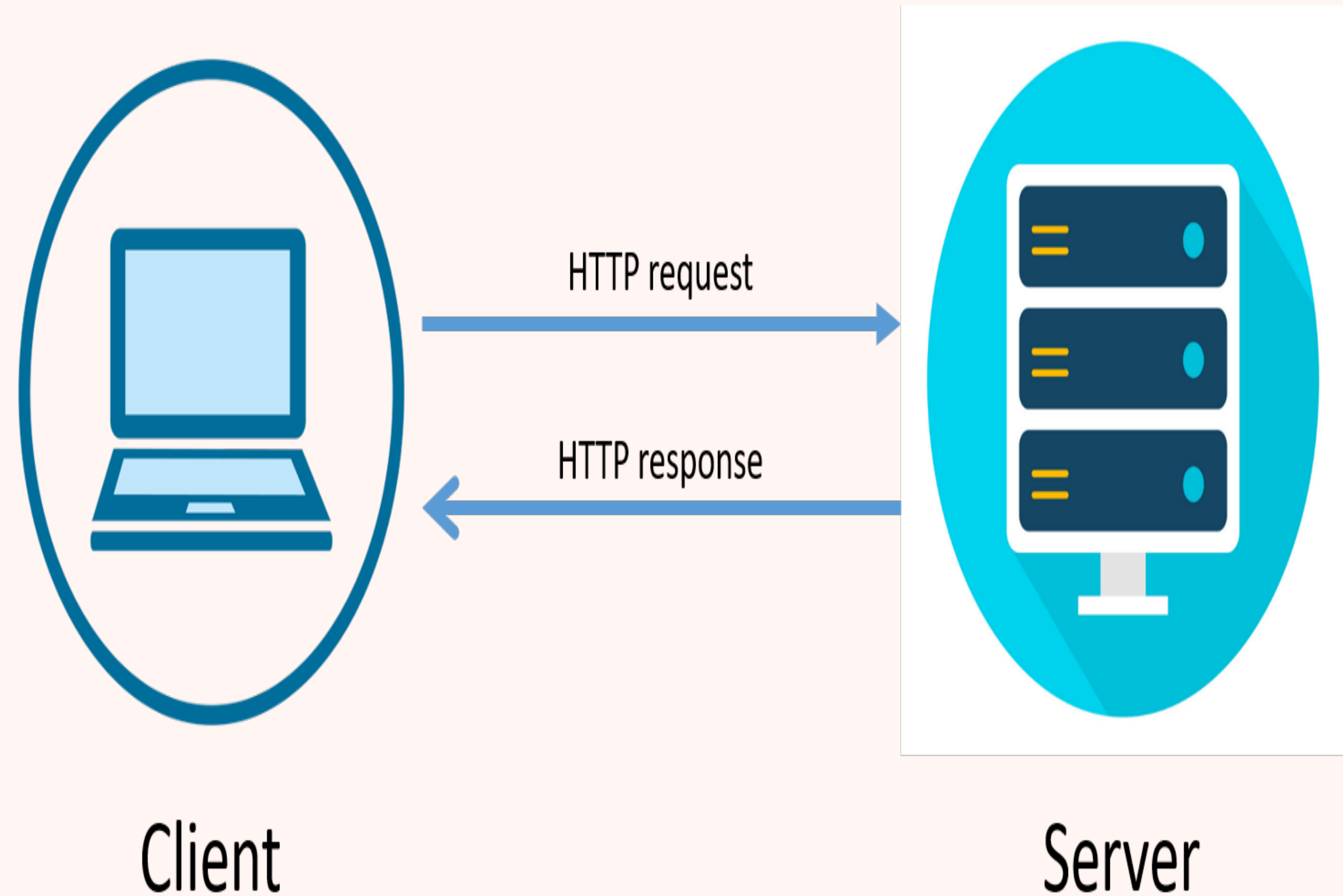
OSI

- **Модел, описващ принципния начин на комуникация и строежа на телекомуникационните и компютърни мрежи**



HTTP

- Комуникация между веб сървъри и клиенти
- Безсесиен протокол
- Какво е **HTTPS**?



Метод на заявки

Метод	Описание
GET	Четене на данни
POST	Изпращане (създаване) на данни
PUT	Обновяване на данни
DELETE	Изтриване на данни

HTTP Request

```
GET /doc/test.html HTTP/1.1
```

```
Host: www.test101.com
```

```
Accept: image/gif, image/jpeg, */*
```

```
Accept-Language: en-us
```

```
Accept-Encoding: gzip, deflate
```

```
User-Agent: Mozilla/4.0
```

```
Content-Length: 35
```

```
bookId=12345&author=Tan+Ah+Teck
```

Request Line

Request Headers

Request
Message
Header

A blank line separates header & body

Request Message Body

HTTP Status Codes

Level 200 (Success)

200 : OK

201 : Created

203 : Non-Authoritative
Information

204 : No Content

Level 400

400 : Bad Request

401 : Unauthorized

403 : Forbidden

404 : Not Found

409 : Conflict

Level 500

500 : Internal Server Error

503 : Service Unavailable

501 : Not Implemented

504 : Gateway Timeout

599 : Network timeout

502 : Bad Gateway

HTTP Response

HTTP/1.1 200 OK

Date: Sun, 08 Feb xxxx 01:11:12 GMT

Server: Apache/1.3.29 (Win32)

Last-Modified: Sat, 07 Feb xxxx

ETag: "0-23-4024c3a5"

Accept-Ranges: bytes

Content-Length: 35

Connection: close

Content-Type: text/html

<h1>My Home page</h1>

Status Line

Response Headers

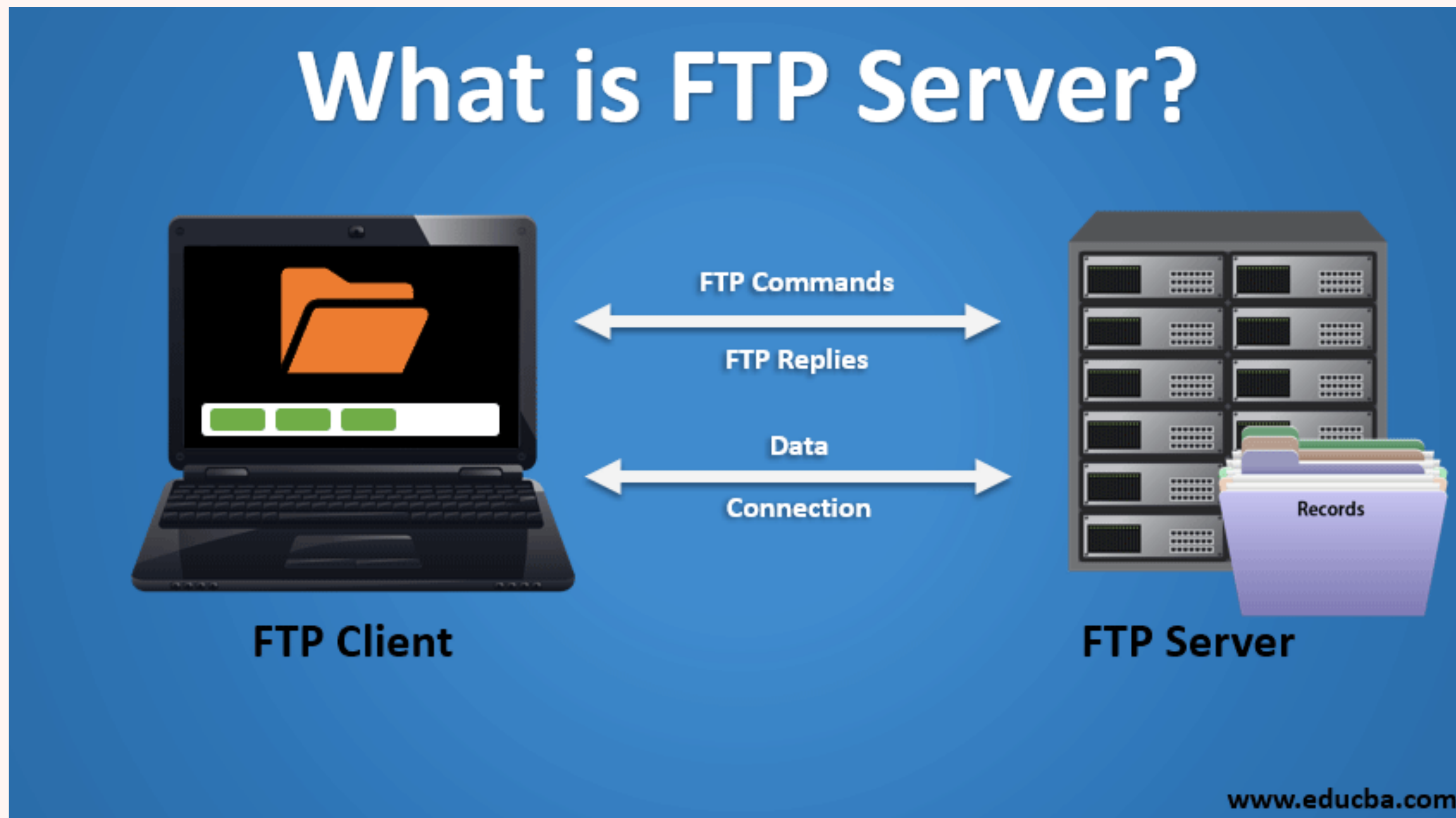
Response
Message
Header

A blank line separates header & body

Response Message Body

FTP

➤ Мрежов протокол от тип клиент-сървър



FTP SERVER



**БЛАГОДАРИМ ВИ ЗА
ВНИМАНИЕТО**
